

Information on the level of radioactivity in Kiev

May 5, 1986

For official use only

The situation in Kiev and civil defence measures conducted between 8:00 PM on May 4 and 8:00 AM on May 5, 1986.

Average wind speed at 7:00 AM on May 5 was 30°–40° (north-easterly), at 50 km/h.

Gamma radiation levels exceed the normal background by 30–80 times (6–16 $\mu\text{Sv/hr}$).

The concentration of radioactive substances in water samples, with the exception of the Dnieper Water Supply Station (370 Bq/L), complies with the norm (37 Bq/L).

Seventy people, including five children, have been hospitalized in city hospitals. Of the 185 patients diagnosed with radiation sickness, 16 are in serious condition (in the radiology department).

Analysis of milk and dairy products revealed that certain products exceeded gamma background levels. Kiev-Svyatoshinsky Dairy Plant detected 300 kg of "Gorodskoy" cottage cheese (3,700 Bq/L); City Dairy Plant No. 2 detected 11.5 kg of milk from Brovary (3,700 Bq/L); City Dairy Plant No. 3 detected 10 kg of cottage cheese (3,700 Bq/L).

Contamination of meat was detected at the Yunost and Zhitny markets, and of vegetables and herbs at the Levoberezhny Market.

Checkpoints inspected 8,944 pieces of equipment, returning 39 vehicles for decontamination. 440 sets of replacement clothing were provided, 1,170 kg of contaminated clothing was removed, and 200 kg of clothing was decontaminated.

From 12:00 AM to 5:30 AM on May 5, the Civil Defence Institute's Civil Defence units packaged and loaded 140 tons of marble chips onto vehicles, and the Civil Defence Engineering and Construction Service prepared 10 excavators for dispatch to Chernobyl.

98 radiation monitoring facilities and posts were deployed. Mutual exchange of this information with the Ukrainian Civil Defence and Control Service was organised.

A team of 20 dosimetrists was trained to reinforce checkpoints and reduce the time it takes for convoys to pass through, after the completion of evacuation operations in the Chernobyl region. Joint work is underway with City Executive Committee departments to refine some sections of the civil defence plan, depending on the evolving situation.

26 orders and directives have been issued, and oversight of their implementation has been established.

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